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DATE: May 25, 2004

PTO IDENTIFIER: Application Number 10/784,938

Patent Number

Inventor: Yoshiki Nakagawa

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Attorney Dkt. #: 21581-00186-US3

PAGES (Including Cover Sheet): 5

CONTENTS: IDS (Citation) by Applicant (1 page);
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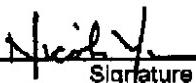
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Docket No.: 21581-00186-US3
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Yoshiki Nakagawa

Application No.: 10/784,938

Filed: February 25, 2004

For: POLYMERS AND PROCESS FOR
PRODUCING POLYMERS

Confirmation No.:

Art Unit: N/A

Examiner: Not Yet Assigned

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This Information Disclosure Statement is filed within three months of the U.S. filing date (37 CFR 1.97(b)(1)).

Those patent(s) or publication(s) which are marked with a double asterisk (**) next to the Cite No. in the attached form PTO/SB/08 (facsimile) are not supplied because they were previously cited by or submitted to the Office in a prior application number 10/193,583, filed July 12, 2002 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

Application No.: 10/784,938

Docket No.: 21581-00186-US3

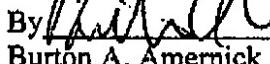
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It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0185, under Order No. 21581-00186-US3. A duplicate copy of this paper is enclosed.

Dated: May 25, 2004

Respectfully submitted,

By 
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PTO/SB/06a/b (06-03)

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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/784,938
				Filing Date	February 25, 2004
				First Named Inventor	Yoshiki Nakagawa
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	21581-00186-US3

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.*	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number+Kind Code* (if known)			
AA**	US-3,725,370		04/1973	Halasa et al.	
AB**	US-4,503,188		03/1985	Mancinelli	
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		Country Code*+Number+Kind Code* (if known)			
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BK**	JP-10-152513		06/1998		
BL**	WO-96/30421		10/1996		
BM**	WO-97/18247		05/1997		

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Examiner Signature	Date Considered
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(12) United States Patent

(10) Patent No.: US 6,720,395 B2
(45) Date of Patent: *Apr. 13, 2004

- (54) **METHOD FOR PRODUCING A STELLAR POLYMER**

(75) Inventor: Yoshiki Nakagawa, Kobe (JP)

(73) Assignee: Kureha Corporation, Osaka (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(d) by 0 days.

This patent is subject to a terminal disclaimer.

- (21) Appl. No.: 10/193,583
(22) Filed: Jul. 12, 2002
(65) Prior Publication Date

Related U.S. Application Data

- (63) Continuation of application No. 09/463,622, filed as application No. PCT/JP98/03350 on Jul. 28, 1998.

(30) Foreign Application Priority Data

JUL 28, 1997 (JP) 9-201340

- (51) Int. Cl. ? CORF 8/00; CORF 4/32;
CORF 4/50; CORF 4/80; CORF 12/00; CORF 14/18;
CORF 20/02; CORF 30/00; CORF 297/06

(52) U.S. Cl. 526/135; 526/145; 526/146;
520/147; 525/310; 525/242; 525/247; 525/313;
525/314; 525/305

(58) Field of Search 526/135, 145,
526/146, 147; 525/316, 242, 247, 313,
314, 305

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Primary Examiner—D. R. Wilson

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ABSTRACT

A method of producing a stellar polymer which comprises polymerizing a vinyl monomer in the manner of living radical polymerization and adding a compound having two or more polymerizable carbon-carbon double bonds at the end point of the polymerization is provided. A composition which comprises, as an essential component, a hydroxyl-terminated polymer falling under said polymer and a compound having, in each molecule, not less than two functional groups reactive with the hydroxyl group is provided.

17 Clulma, No Drawings